Seilbahnen Schweiz

«isolutions has managed to implement our technical specifications in a modern and user-friendly tool.»

Berno Stoffel, CEO

Seilbahnen Schweiz (SBS) is the leading association of the Swiss ropeway industry with around 350 members from all regions of Switzerland. As the industry representative for large to small ropeways, Seilbahnen Schweiz represents the interests and concerns of its members and promotes their cooperation as well as sustainable development.
This results in a broad spectrum of activities, ranging from representation of authorities to member consultation and public relations. In addition, the association operates a training center for ropeway technicians and offers training and continuing education in the area of piste and rescue services.

Seilbahnen Schweiz
Remontées Mécaniques Suisses
Funivie Svizzere
Pendicularas Svizras

A new solution had to be developed so that the members of Ropeways Switzerland could access an efficient and secure accident database. The previous application no longer met today's standards in terms of security, data protection and user-friendliness. The new solution enables members of Ropeways Switzerland to record and manage all accidents quickly and easily online.

Initial situation

The accident database is one of the core applications of Seilbahnen Schweiz (SBS) and their most important tool for recording and analyzing accidents on snow sports facilities and summer activities in the catchment area of the transport facilities. Due to the choice of state-of-the-art technology, the existing application could no longer meet today's standard safety requirements. Furthermore, the user-friendliness was outdated and data protection had to be adapted. A modernized accident database was also to improve the quality and timeliness of the data, expand the evaluation options and optimize interfaces to other systems.

Solution

With the new accident database, all members of Ropeway Switzerland can quickly and easily record and manage any accidents online. Using a mobile app, patrollers can record photos and GPS coordinates directly on site. This saves time and avoids errors due to subsequent transmission. All accident data can be downloaded as an accident log (Word) or as a CSV export from the accident database. The collected data can be evaluated for statistical analysis over several years. The new solution is designed to store sensitive personal data and meets the highest data protection and data security requirements. Fine-grained assignment of access rights controls the visibility of data, and multi-factor-authentication protects against unauthorized access to the application and data.

Technologically, the Azure solution is based on Platform Services such as Azure SQL Server and Azure Blob Storage (data), Azure AD and Azure AD B2C (identity and access management), Azure App Service with .NET Core and Blazor (backend and user interface). The project includes the transfer of all functions from the existing application, the migration of all historical data into a new database and the continuation and extension of the existing interfaces to other applications. The optimization of data exports for statistical analyses and Excel exports ensures the expandability for the connection of Power BI dashboards and reports.

Benefits

- **Thanks to the findings from the accident database, the number of accidents in Switzerland is reduced with targeted measures.**

- **Members, with their own accident recording software, transmit their data via a central interface. This guarantees seamless integration and high data quality.**

- **The central recording of accident data also allows the automated transfer of accident data to partners such as the federal office for accident prevention.**

- **An audit log records all changes to data, ensuring transparency and security in the event of legal disputes.**

no further training required thanks to intuitive operation

15'000

accidents can be recorded per year

350

members use the accident database to record and report accidents

Partner profile

#weshapethefuture

Founded in the civil defense cellar by three visionaries from the Bernese Oberland, isolutions has been accompanying companies into the digital future since 1999 as the largest dedicated Microsoft one-stop-shope in Switzerland. We integrate Microsoft services in a way, that adds value and has a positive change in the corporate culture.

Supported by over 200 passionate minds consisting of business and technical consultants, change makers as well as software developers, architects and cloud natives, we are driven to peak performance by our customers and their challenges. Together with customers from different industries, we build the bridge to the tech giant Microsoft. All with one goal: To create the best employee and customer experience in order to achieve competitive advantages.

Customers love our inspiring corporate culture, which is contagious. It successfully supports and overcomes organizational or technological challenges. Together with them, we shape the future of teams, products, companies and entire industries.

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